



# MONROE PUBLIC SCHOOLS

## BOARD MEETING #16

September 8, 2015

7:00 p.m.

## BOARD OF EDUCATION

MR. ROBERT YEO, PRESIDENT

MR. LAWRENCE VANWASSHENOVA, VICE-PRESIDENT

MR. RYAN PHILBECK, SECRETARY

DR. TEDD MARCH, PARLIAMENTARIAN

MR. MATTHEW BUNKELMAN, TRUSTEE

MRS. FLOREINE MENDEL, TRUSTEE

MRS. CYNTHIA TAYLOR, TRUSTEE

## SUPERINTENDENT OF SCHOOLS

DR. BARRY N. MARTIN

*“Monroe Public Schools is committed to being the premier education organization in the region. We are devoted to promoting high expectations for all in a state-of-the-art 21st century curriculum. We recognize that the students and communities we serve are our customers, and we promise to make all decisions in their best interest.”*

### NOTICE OF NON-DISCRIMINATION

*It is the policy of Monroe Public Schools not to discriminate on the basis of race, color, national origin, gender, age, disability, religion, height, weight or marital status in its programs, services, employment, or any other activities. For information contact the office of the Superintendent of Schools, 1275 N. Macomb St., Monroe, MI 48162, (734) 265-3070.*

Prepared by the Office of the Superintendent, Gayle Lambert, Secretary

**MONROE PUBLIC SCHOOLS BOARD OF EDUCATION**

Board Meeting #16  
Tuesday, September 8, 2015  
**7:00 p.m.**

**AGENDA**

		<u>Page</u>
<b>A. Roll Call and Call to Order</b>	Mr. Yeo	1
1. Pledge of Allegiance to the Flag	Mr. Yeo	
<b>B. Public Commentary – Agenda Items Only</b>	Mr. Yeo	
<b>C. Discussion and Action Items</b>		
1. <b>Approval of Minutes</b>	Mr. Yeo	2
Move to approve the minutes of the following meetings as submitted:		
• August 25, 2015, Board Work Session		
• August 25, 2015, Board Meeting #15		
2. <b>Reports and Updates</b>	Mr. Yeo	7
• Informational Reports: Contracted Services Recommendation, Contracted Coaches, and Club Paid Coaches		
3. <b>Staff Resignation</b>	Mrs. Everly	9
Move to approve the resignation from Monroe Public Schools of Kari Tackett effective August 31, 2015.		
4. <b>Consent Agenda – Administrator Appointments</b>	Mrs. Everly	11
Move that Agenda Items C.5 – C.6 be considered as a Consent Agenda, and that the consent agenda items be approved as recommended.		
5. <b>Administrator Appointment</b>	Mrs. Everly	12
Move to approve the appointment of Ronda Meier as an administrator with Monroe Public Schools effective September 1, 2015, and place on the appropriate salary level as contained in the Master Agreement, and upon completion of all pre-employment requirements.		
6. <b>Administrator Appointment</b>	Mrs. Everly	14
Move to approve the appointment of Delsie Sissoko as an administrator with Monroe Public Schools effective September 1, 2015, and place on the appropriate salary level as contained in the Master Agreement, and upon		

completion of all pre-employment requirements.

- |   |                    |           |
|---|--------------------|-----------|
| <p>7. <b>Teacher Appointment</b><br/>Move to approve the appointment of Hollie Mazur as a teacher with Monroe Public Schools effective September 1, 2015, and place on the appropriate salary level as contained in the Master Agreement, and upon completion of all pre-employment requirements.</p>   | <p>Mrs. Everly</p> | <p>16</p> |
| <p>8. <b>Teacher Appointment</b><br/>Move to approve the appointment of _____ as a teacher with Monroe Public Schools effective September 8, 2015, and place on the appropriate salary level as contained in the Master Agreement, and upon completion of all pre-employment requirements.</p>  | <p>Mrs. Everly</p> | <p>18</p> |
| <p>9. <b>Teacher Appointment</b><br/>Move to approve the appointment of _____ as a teacher with Monroe Public Schools effective September 8, 2015, and place on the appropriate salary level as contained in the Master Agreement, and upon completion of all pre-employment requirements.</p>  | <p>Mrs. Everly</p> | <p>19</p> |
| <p>10. <b>Exempt Employee Appointment</b><br/>Move to approve the appointment of Angela Ostdiek as a Learning Bank instructor at Orchard Center High School for the 2015/16 school year effective September 8, 2015, and place on the appropriate salary level for this position, and upon completion of all pre-employment requirements.</p>       | <p>Mrs. Everly</p> | <p>20</p> |
| <p>11. <b>Ratification of the Teamster Master Agreement</b><br/>Move to ratify the Master Agreement for July 1, 2015, through June 30, 2016, between the Teamsters Local 214 Bus Drivers and the Monroe Board of Education effective August 12, 2015.</p>   | <p>Mrs. Everly</p> | <p>22</p> |
| <p>12. <b>Discontinuation of Contract</b><br/>Move to approve the dissolution of the individual contract with Sue Sacks, as the Substance Abuse Coordinator, due to economic reasons and loss of funding, effective September 30, 2015; and to provide the appropriate notifications as required by her employment agreement with the district.</p> | <p>Mrs. Everly</p> | <p>23</p> |
| <p>13. <b>CTE – Project Based Instruction Materials</b><br/>Move to approve the equipment and supplies for the Health Sciences team. This purchase will not exceed \$26,345.51 and</p>  | <p>Mrs. Everly</p> | <p>24</p> |

will be funded utilizing the Chrysler Corp. STEM Grant, CTE General Fund, Added Cost funds and general funds.

- |  |            |    |
|--|------------|----|
| <b>14. Superintendent's Comments</b>   | Dr. Martin |    |
| <b>15. Old Business</b>  | Mr. Yeo    |    |
| <b>16. New Business</b>  | Mr. Yeo    |    |
| <b>17. Public Commentary – Any Topic</b>   | Mr. Yeo    |    |
| <b>18. Adjournment</b><br>Move that the September 8, 2015, Board Meeting #16 of the Monroe Public Schools Board of Education be adjourned. | Mr. Yeo    | 42 |

**ROLL CALL**

	<u>Present</u>	<u>Absent</u>
Mr. Bunkelman	_____	_____
Dr. March	_____	_____
Mrs. Mentel	_____	_____
Mr. Philbeck	_____	_____
Mrs. Taylor	_____	_____
Mr. VanWasshenova	_____	_____
Mr. Yeo	_____	_____

**APPROVAL OF MINUTES**

**ENCLOSURES**

- August 25, 2015, Board Work Session Minutes
- August 25, 2015, Board Meeting #15 Minutes

**RECOMMENDATION**

Move to approve the following minutes as submitted:

- August 25, 2015, Board Work Session
- August 25, 2015, Board Meeting #15

**MOTION:** \_\_\_\_\_ **SUPPORT:** \_\_\_\_\_ **ACTION:** \_\_\_\_\_

	<u>Aye</u>	<u>Nay</u>	<u>Abstain</u>	<u>Absent</u>
Mr. Bunkelman	_____	_____	_____	_____
Dr. March	_____	_____	_____	_____
Mrs. Mentel	_____	_____	_____	_____
Mr. Philbeck	_____	_____	_____	_____
Ms. Taylor	_____	_____	_____	_____
Mr. VanWasshenova	_____	_____	_____	_____
Mr. Yeo	_____	_____	_____	_____

# MONROE PUBLIC SCHOOLS BOARD OF EDUCATION

Work Session  
Tuesday, August 25, 2015  
5:30 p.m.

## MINUTES

### **Roll Call and Call to Order**

Board Members Present: President Robert Yeo, Vice President Lawrence VanWasshenova, Secretary Ryan Philbeck (arrived at 5:55 p.m.), Parliamentarian Dr. Tedd March, Trustee Matthew Bunkelman (arrived at 6:09 p.m.), Trustee Floreine Mentel (arrived at 6:12 p.m.), and Trustee Cynthia Taylor

Board Members Absent: None

Administrators Present: Barry Martin, Julie Everly, David Payne

Administrators Absent: Katherine Eighmey, Jerry Oley

President Yeo called the meeting to order at 5:40 p.m.

### **Marketing Update**

Dr. Martin invited Dennis O'Connor to share details of the district marketing plan with the Board. Since starting this plan in the spring, Mr. O'Connor met several times with central office administrators, and has put forth a good deal of effort to learn how the district operates.

Mr. O'Connor shared results from a survey that was conducted in the spring, as well as the outcome from two focus groups. An item that was stressed very strongly in the assessments was that people aren't aware of how much Monroe Public Schools has to offer. Strategies were discussed such as fostering an emotional connection with parents and community leaders; developing communication formats that are effective and consistent; and to create a feedback system with our constituents.

Mr. O'Connor talked about building trust with our stakeholders, which is a necessary function of community engagement. He discussed the types of stories we need to deliver on our website and having only one social media tool. Mr. O'Connor shared his tactical recommendations which were broken down into short-term and long-term completion dates.

### **Adjournment**

Motion by Mr. VanWasshenova; support by Mrs. Taylor that the 5:30 p.m., August 25, 2015, Work Session of the Monroe Public Schools Board of Education be adjourned.

Vote: Motion carried by a 7-0 hand vote at 6:57 p.m.

---

**Ryan Philbeck, Secretary**

# MONROE PUBLIC SCHOOLS BOARD OF EDUCATION

Board Meeting #15

August 25, 2015

7:00 p.m.

## MINUTES

### **Roll Call and Call to Order**

Board Members Present: President Robert Yeo, Vice President Lawrence VanWasshenova, Secretary Ryan Philbeck, Parliamentarian Dr. Tedd March, Trustee Matthew Bunkelman, Trustee Floreine Mentel, and Trustee Cynthia Taylor

Board Members Absent: None

Administrators Present: Barry Martin, Julie Everly

Administrators Absent: Katherine Eighmey, Jerry Oley, David Payne

President Yeo called the meeting to order at 7:06 p.m.

### **Public Commentary-Agenda Items Only**

There was none at this time.

### **Approval of Minutes**

Motion by Mr. VanWasshenova; support by Mrs. Mentel to approve the minutes of the following meetings as submitted:

- August 11, 2015, Board Meeting #14

Vote: Motion carried by a 7-0 roll call vote.

### **Reports and Update**

The August 3, 2015, Board Personnel Committee Meeting Minutes; August 12, 2015, Board Physical Resource Committee Meeting Minutes; and the Informational Report – Contracted Services Recommendations, Contracted Coaches, and Club Paid Coaches were received.

### **Staff Resignations**

Motion by Mrs. Taylor; support by Dr. March to approve the resignations from Monroe Public Schools of Alex Schukow effective August 7, 2015, and Susan Raczkowski effective August 31, 2015.

Vote: Motion carried by a 7-0 roll call vote.

### **Consent Agenda – Administrator Appointment**

Motion by Mrs. Mentel; support by Mrs. Taylor that Agenda Items C.5 – C.6 be considered as a Consent Agenda, and that the consent agenda items be approved as recommended.

C.5 **Administrator Appointment** – Move to approve the appointment of Meghan Gibson as an administrator with Monroe Public Schools effective August 17, 2015.

C.6 **Administrator Appointment** – Move to approve the appointment of Holly Wallace as an administrator with Monroe Public Schools effective August 26, 2015.

Vote: Motion carried by a 7-0 roll call vote.



**Consent Agenda – Teacher Appointment**

Motion by Mrs. Mentel; support by Mrs. Taylor that Agenda Items C.8 – C.12, and C.15 be considered as a Consent Agenda, and that the consent agenda items be approved as recommended.

- C.8 **Teacher Appointment** - Move to approve the appointment of Tara Adrian as a teacher with Monroe Public Schools effective September 1, 2015.
- C.9 **Teacher Appointment** - Move to approve the appointment of Linda Chmiel as a teacher with Monroe Public Schools effective September 1, 2015.
- C.10 **Teacher Appointment** - Move to approve the appointment of Samantha Barr as a teacher with Monroe Public Schools effective September 1, 2015.
- C.11 **Teacher Appointment** - Move to approve the appointment of Shawn Harmon as a teacher with Monroe Public Schools effective September 1, 2015.
- C.12 **Teacher Appointment** - Move to approve the appointment of Miranda DeBruyne as a teacher with Monroe Public Schools effective September 1, 2015.
- C.15 **Teacher Appointment** - Move to approve the appointment of Natalie LaBeau as a teacher with Monroe Public Schools effective September 1, 2015.

Vote: Motion carried by a 7-0 roll call vote.

**STEM Lab Purchase - MHS**

Motion by Mr. Philbeck; support by Mr. Bunkelman to approve the purchase of workbenches from Questech, and workbench stools from Detroit Technical Equipment at a total cost not to exceed \$24,760.00. Money for this purchase will come from the Perkins Grant, CTE added cost funds, and general funds.

Vote: Motion carried by a 7-0 roll call vote.

**MHS Choir – New York, NY**

Motion by Mr. VanWasshenova; support by Mrs. Mentel to approve the Monroe High School vocal music group trip to New York, New York, from Wednesday, April 27, 2016 through Sunday, May 1, 2016, in accordance with board policies for field trips and excursions.

Vote: Motion carried by a 7-0 roll call vote.

**Superintendent Comments**

Monroe Middle School's open house is scheduled for Tuesday, September 1, 5:30 p.m. – 7:00 p.m. Open houses will be held one night later for Orchard Center High School and all elementary schools on Wednesday, September 2. OCHS will hold an ice cream social in addition to its open house. The custodial staff has done a great job over the summer cleaning and polishing and getting everything ready for the start of school.

Waterloo Elementary is one of 10 national finalists vying to win five 3D printers and related supplies, valued at \$2,800 each. Waterloo is the only school in Michigan being considered. Waterloo just completed its first year of being a STEAM school.

The Certified Nurse Assistant program at Monroe High School has been expanded and now will include classes one night a week and be open to students from around Monroe County on a tuition basis paid for by the student's home district. Monroe High School students also are enrolled in the class. Just like the daytime course, after students complete the night-time class they will be prepared to take their state-written CNA exams which can lead to being a state-licensed certified nurse assistant. The course, which is nearly full, will be offered one night a week for four hours over the course of the school year.

Another one of our students has achieved the Eagle Scout rank and will be honored in early September. This recognition was for work he did at one of our schools. Congratulations to Monroe High School sophomore Jarrod Kimble who, as part of his Eagle Project, transformed the courtyard at Arborwood South. He raised \$1,300 to pay for the project which included building a small stage and doing landscape improvements. He also did a second round of work at the courtyard this past spring with weeding and mulching.

It has been a very short yet productive summer as this is the last board meeting before the start of school on Tuesday, September 8. Taking a look back over the summer, we have hired 15 new teachers, filled 3 principal vacancies and 2 assistant principal positions, filled 2 new central office curriculum specialist positions, had 3 internal teacher moves, put 6 people in new contracted support positions, and have 3 people starting the year in new support positions. But we are not done yet, because we still are working to fill two assistant principal positions, five teacher openings, two secretary positions, a dean of students, two post-secondary planners, and a student service provider.

### **Old Business**

Dr. March asked if a public meeting has been scheduled regarding the sale of property. Dr. Martin stated it may take place at the last meeting in September. Mr. Vergiels will prepare a press release when the date is finalized.

Mr. Yeo reminded Board members there will be a meeting with the City Council on October 26.

Mrs. Everly mentioned that a tentative agreement has been reached with the bus drivers. They had a vote on Friday and it passed; we will present it to the board for approval at the next meeting.

### **New Business**

There was none at this time.

### **Public Commentary-Any Topic**

There was none at this time.

### **Adjournment**

Motion by Mr. Philbeck; support by Mr. Yeo that the August 25, 2015, Board Meeting #15 of the Monroe Public Schools Board of Education be adjourned.

Vote: Motion carried by a 7-0 hand vote at 7:28 p.m.

---

**Ryan Philbeck, Secretary**

## **REPORTS AND UPDATES**

### **BOARD COMMITTEES/OTHER REPORTS**

- Informational Reports: Contracted Services Recommendation, Contracted Coaches, and Club Paid Coaches

For the 2015-16 School Year we will be working with EduStaff to provide Contracted Student Support Services. The following changes have occurred within the Student Support Team:

**Informational Report**  
**Contracted Services Recommendations**

For the 2015/16 school year:

- Stephanie Powell – MMS Dean of Students
- Jasmine Norman – MMS Post Secondary Planner
- Crystal Caldwell – MMS Post Secondary Planner (MPS payroll)

Currently posted we have:

- MMS School Climate Liaison (replacing Jasmine Norman)
- MHS Student Service Provider (Melissa Schmidt resigned her position in August)

**Informational Report**  
**Contracted Coaches**

No new report

**Informational Report**  
**Club Paid Coaches**

No new report

**STAFF RESIGNATION**

**BACKGROUND**

We have received a letter of resignation from **Kari Tackett** for the purpose of other employment. Her resignation was effective August 31, 2015. Ms. Tackett was employed with our district for the past 8 years. She was most recently employed as an elementary teacher at Custer.

**ENCLOSURES**

Letter(s) of Resignation

**RECOMMENDATION**

Move to approve the resignation from Monroe Public Schools of Kari Tackett effective August 31, 2015.

**MOTION:** \_\_\_\_\_ **SUPPORT:** \_\_\_\_\_ **ACTION:** \_\_\_\_\_

	<u>Aye</u>	<u>Nay</u>	<u>Abstain</u>	<u>Absent</u>
Mr. Bunkelman	_____	_____	_____	_____
Dr. March	_____	_____	_____	_____
Mrs. Mentel	_____	_____	_____	_____
Mr. Philbeck	_____	_____	_____	_____
Mrs. Taylor	_____	_____	_____	_____
Mr. VanWasshenova	_____	_____	_____	_____
Mr. Yeo	_____	_____	_____	_____

August 25, 2015

Monroe Public Schools  
1275 N. Macomb St.  
Monroe, MI 48162

To Whom it May Concern,

Please accept this letter as notice of my resignation as an employee of Monroe Public Schools because the time has come for me to move on to other educational endeavors. I am grateful for all of the opportunities and learning experiences that Monroe Public Schools has provided me over the past 8 years. My experiences as a elementary teacher and School Improvement Coach are invaluable to me and have equipped me with the skills and strategies needed to be a better educator.

As I am excited to begin the next chapter of my life, leaving Monroe has been bittersweet for me. I will forever miss the Custer students, staff and families that have not only positively impacted my career, but also my life. I am also thankful for the leaders in the district that have believed in me and have encouraged me to step into leadership roles.

Best regards,

A handwritten signature in black ink that reads "Kari Tackett". The signature is written in a cursive style with a large, sweeping initial "K".

Kari Tackett  
School Improvement Coach  
Custer Elementary School

**CONSENT AGENDA – ADMINISTRATOR APPOINTMENTS**

**ENCLOSURES**

- C.5 Ronda Meier
- C.6 Delsie Sissoko

**RECOMMENDATION**

Move that Agenda Items C.5 – C.6 be considered as a Consent Agenda, and that the consent agenda items be approved as recommended.

**MOTION:** \_\_\_\_\_ **SUPPORT:** \_\_\_\_\_ **ACTION:** \_\_\_\_\_

	<u>Aye</u>	<u>Nay</u>	<u>Abstain</u>	<u>Absent</u>
Mr. Bunkelman	_____	_____	_____	_____
Dr. March	_____	_____	_____	_____
Mrs. Mentel	_____	_____	_____	_____
Mr. Philbeck	_____	_____	_____	_____
Mrs. Taylor	_____	_____	_____	_____
Mr. VanWasshenova	_____	_____	_____	_____
Mr. Yeo	_____	_____	_____	_____

**ADMINISTRATOR APPOINTMENT**

**BACKGROUND**

On behalf of the administration and the interview panel I am recommending the appointment of Ronda Meier as an administrator with Monroe Public Schools. This administrator will be assigned as an assistant principal at Custer Elementary for the 2015/16 school year.

Ms. Meier holds a bachelor's and a master's degree from Eastern Michigan University. She was most recently employed as an elementary teacher and a school improvement coach at Waterloo Elementary.

Members of the interview panel were: Barry Martin, superintendent; Julie Everly, deputy superintendent; Sara Staten and Billiesue Sandifer, teachers; Lisa McLaughlin, Cathy McDonald and Sandra Kreps, administrators; Stephannie Cherry, dean of students; and Cindy Taylor, board member.

**ENCLOSURE(S)**

Resume

**RECOMMENDATION**

Move to approve the appointment of Ronda Meier as an administrator with Monroe Public Schools effective September 1, 2015, and place on the appropriate salary level as contained in the Master Agreement, and upon completion of all pre-employment requirements.

**MOTION:** \_\_\_\_\_ **SUPPORT:** \_\_\_\_\_ **ACTION:** \_\_\_\_\_

	<u>Aye</u>	<u>Nay</u>	<u>Abstain</u>	<u>Absent</u>
Mr. Bunkelman	_____	_____	_____	_____
Dr. March	_____	_____	_____	_____
Mrs. Mentel	_____	_____	_____	_____
Mr. Philbeck	_____	_____	_____	_____
Mrs. Taylor	_____	_____	_____	_____
Mr. VanWasshenova	_____	_____	_____	_____
Mr. Yeo	_____	_____	_____	_____



# Ronda K. Meier

## Profile

I am a dedicated and enthusiastic educator committed to the success of all teachers and their students. I have a proven record of leadership, outstanding teaching record, and excited about the opportunity to join the faculty of the Custer Elementary School as its new assistant principal. I have the attitude of a lifelong learner, experience of working with the new principal allowing a seamless transition, and the expertise to be a contributing team member of the school leadership team.

## Professional Significant Accomplishments

- Design and implementation of district professional development; PLC, School Improvement team, SI Coach, LAP Coach, district committees
- STEAM initiative program development
- M-STEP School Implementation Facilitation
- District and School Improvement Teams; focus school strategist, data analysis, data protocol
- Cognitive Coach training with Lucy West: Plan, Teach, Debrief; Accountable Talk
- Ontological Coach training with Dan Newby
- Pearson data collection proficient
- Substitute Acting Principal
- Math & Language Arts District Committees
- Virtual Field Trip collaborator with ISD
- GLOBE (Global Learning and Observations to Benefit the Earth) Certified Teacher
- National, State and Local Conference Presenter (NCTE, IRA, WLU, MACUL, MRA): Student-led Inquiry, Student-led Conferences, Parent Study Groups, and Virtual Field Trips
- Technology Support for Teachers
- LAP Coach: implemented classroom Readers & Writers Workshops
- Trained in CEIM Intel Math
- Dreambox Personal Inquiry Study; data to improve classroom instruction
- FAME (Formative Assessment for Michigan Educators) Waterloo Representative
- MELAF (Michigan English Language Arts Framework): curriculum & best practices
- Avid professional development attendee

## Professional Experience: Monroe Public Schools 1992- Present

School Improvement Coach	Waterloo STEAM Elementary	2014 to Present
Elementary Classroom Teacher	Waterloo STEAM Elementary	2007 to 2014
LAP Coach	Custer, Lincoln, Riverside & Waterloo Elementary Schools	2002 to 2007
Middle School Teacher	Cantrick Middle School	2000-2002
Elementary Classroom Teacher	Manor Elementary	1992-1999

## Education

Eastern Michigan University, Ypsilanti, MI  
**Master of Arts, Educational Leadership 1996**

Eastern Michigan University, Ypsilanti, MI  
**Bachelor of Arts, Elementary Education 1990**

## Certifications:

State of Michigan Professional Education Certificate

**ADMINISTRATOR APPOINTMENT**

**BACKGROUND**

On behalf of the administration and the interview panel I am recommending the appointment of Delsie Sissoko as an administrator with Monroe Public Schools. This administrator will be assigned as an assistant principal at Monroe High School for the 2015/16 school year.

Ms. Sissoko holds a Bachelor of Arts degree from Finlandia University and a Master of Arts degree from Eastern Michigan University. She was most recently employed as an elementary teacher and a school improvement coach at Arborwood.

Members of the interview panel were: Barry Martin, superintendent; Julie Everly, deputy superintendent; Sara Staten and Billiesue Sandifer, teachers; Lisa McLaughlin, Cathy McDonald and Sandra Kreps, administrators; Stephannie Cherry, dean of students; and Cindy Taylor, board member.

**ENCLOSURE(S)**

Resume

**RECOMMENDATION**

Move to approve the appointment of Delsie Sissoko as an administrator with Monroe Public Schools effective September 1, 2015, and place on the appropriate salary level as contained in the Master Agreement, and upon completion of all pre-employment requirements.

**MOTION:** \_\_\_\_\_ **SUPPORT:** \_\_\_\_\_ **ACTION:** \_\_\_\_\_

	<u>Aye</u>	<u>Nay</u>	<u>Abstain</u>	<u>Absent</u>
Mr. Bunkelman	_____	_____	_____	_____
Dr. March	_____	_____	_____	_____
Mrs. Mentel	_____	_____	_____	_____
Mr. Philbeck	_____	_____	_____	_____
Mrs. Taylor	_____	_____	_____	_____
Mr. VanWasshenova	_____	_____	_____	_____
Mr. Yeo	_____	_____	_____	_____



# Delsie M. Sissoko



## Objective

To obtain an Assistant Principal position and grow as an educational leader within Monroe Public Schools.

## Education

Eastern Michigan University, Master of Arts: Reading Specialist (BR) K-12

Finlandia University, Bachelor of Arts: Elementary Education, Mathematics (EX) 6-8 & Integrated Science (DI) 6-8

## Activities

District ELA Curriculum Committee Leader

Lucy Calkins District Reading Pilot Program PLC Leader

Family Engagement Sub-Committee Leader

Arborwood Summer Reading Program Coordinator

School Improvement Steering Committee Member

District School Improvement Committee Member

Technology Sub Committee Member

NCSM Member: Leadership in Mathematics Education

CEIM/Math Community: Changing the Equation using Intel Mathematics (Two Year K-8 PD Program for Teachers of Mathematics)

PTO Teacher Liaison

## Work Experience

Arborwood School Improvement Coach, 2013-Present

Arborwood Elementary Teacher, 2009-2013

Lincoln Elementary Teacher, 2007-2009

## References



**TEACHER APPOINTMENT**

**BACKGROUND**

On behalf of the administration and the interview panel I am recommending the appointment of Hollie Mazur as a teacher with Monroe Public Schools. This teacher will be assigned as an English teacher at Monroe High School for the 2015/16 school year.

Ms. Mazur holds a bachelor’s degree from Eastern Michigan University. She was most recently employed as a substitute teacher through EduStaff and held a long term position at Raisinville during the 2014-15 school year.

Members of the interview panel were: Sandra Kreps, principal; Cathy McDonald, assistant principal; Cari Mitchey, DJ Freese, and Sara Ziegler; teachers; and Shawna Mann, parent.

**ENCLOSURE(S)**

Resume

**RECOMMENDATION**

Move to approve the appointment of Hollie Mazur as a teacher with Monroe Public Schools effective September 1, 2015, and place on the appropriate salary level as contained in the Master Agreement, and upon completion of all pre-employment requirements.

**MOTION:** \_\_\_\_\_ **SUPPORT:** \_\_\_\_\_ **ACTION:** \_\_\_\_\_

	<u>Aye</u>	<u>Nay</u>	<u>Abstain</u>	<u>Absent</u>
Mr. Bunkelman	_____	_____	_____	_____
Dr. March	_____	_____	_____	_____
Mrs. Mentel	_____	_____	_____	_____
Mr. Philbeck	_____	_____	_____	_____
Mrs. Taylor	_____	_____	_____	_____
Mr. VanWasshenova	_____	_____	_____	_____
Mr. Yeo	_____	_____	_____	_____

# Hollie M Mazur

Phone: [REDACTED]  
Email: [REDACTED]

- Work experience**
- September 2014 –June 2015** **Edustaff**  
**Grand Rapids, MI**
- Plan-Teach-Debrief Substitute/ Interventionist for Raisinville Elementary School Monroe, Michigan**
- Reading, interpreting, and following written lesson plans left by the teacher.
  - Maintaining a safe, comfortable, and positive learning environment for students.
  - Providing support for teachers when needed.
  - Assisting with morning and afternoon bus duty.
  - Managing my time to ensure that classrooms are covered when necessary.
  - Flexibility with my schedule and adapting to the changing needs of the teachers and/or students.
- September 2013- September 2014** **Edustaff**  
**Grand Rapids, MI**
- General Substitute Teacher**  
K-12 Multi-district substitute.
- Reading, interpreting, and following written lesson plans left by teacher.
  - Maintaining a safe, comfortable, and positive learning environment for students.
- January 2013- September 2013** **PCMI Services**  
**Portland, MI**
- General Substitute Teacher**  
K-12 Multi-district substitute
- Reading, interpreting, and following written lesson plans left by teacher.
  - Maintaining a safe, comfortable, and positive learning environment for students.
- Education**
- 2006- 2011** **Eastern Michigan University**  
**Ypsilanti, MI.**
- Bachelor of Science in Education**
- Major: Secondary English
  - Minor: 6<sup>th</sup>- 12<sup>th</sup> grade Health
  - Student Teaching- Jefferson High School Monroe, MI

**TEACHER APPOINTMENT**

**BACKGROUND**

On behalf of the administration and the interview panel I am recommending the appointment of \_\_\_\_\_ as a teacher with Monroe Public Schools. This teacher will be assigned as a science teacher at Monroe High School for the 2015/16 school year.

Members of the interview panel were:

**ENCLOSURE(S)**

Resume

**RECOMMENDATION**

Move to approve the appointment of \_\_\_\_\_ as a teacher with Monroe Public Schools effective September 8, 2015, and place on the appropriate salary level as contained in the Master Agreement, and upon completion of all pre-employment requirements.

**MOTION:** \_\_\_\_\_ **SUPPORT:** \_\_\_\_\_ **ACTION:** \_\_\_\_\_

	<u>Aye</u>	<u>Nay</u>	<u>Abstain</u>	<u>Absent</u>
Mr. Bunkelman	_____	_____	_____	_____
Dr. March	_____	_____	_____	_____
Mrs. Mentel	_____	_____	_____	_____
Mr. Philbeck	_____	_____	_____	_____
Mrs. Taylor	_____	_____	_____	_____
Mr. VanWasshenova	_____	_____	_____	_____
Mr. Yeo	_____	_____	_____	_____

**TEACHER APPOINTMENT**

**BACKGROUND**

On behalf of the administration and the interview panel I am recommending the appointment of \_\_\_\_\_ as a teacher with Monroe Public Schools. This teacher will be assigned as a Spanish teacher at Monroe High School for the 2015/16 school year.

Members of the interview panel were:

**ENCLOSURE(S)**

Resume

**RECOMMENDATION**

Move to approve the appointment of \_\_\_\_\_ as a teacher with Monroe Public Schools effective September 8, 2015, and place on the appropriate salary level as contained in the Master Agreement, and upon completion of all pre-employment requirements.

**MOTION:** \_\_\_\_\_ **SUPPORT:** \_\_\_\_\_ **ACTION:** \_\_\_\_\_

	<u>Aye</u>	<u>Nay</u>	<u>Abstain</u>	<u>Absent</u>
Mr. Bunkelman	_____	_____	_____	_____
Dr. March	_____	_____	_____	_____
Mrs. Mentel	_____	_____	_____	_____
Mr. Philbeck	_____	_____	_____	_____
Mrs. Taylor	_____	_____	_____	_____
Mr. VanWasshenova	_____	_____	_____	_____
Mr. Yeo	_____	_____	_____	_____

**EXEMPT EMPLOYEE APPOINTMENT**

**BACKGROUND**

On behalf of the administration I am recommending the appointment of Angela Ostdiek as a Learning Bank instructor with Monroe Public Schools Orchard Center High School. Ms. Ostdiek will begin this role on Tuesday, September 8, 2015.

**ENCLOSURE(S)**

Resume

**RECOMMENDATION**

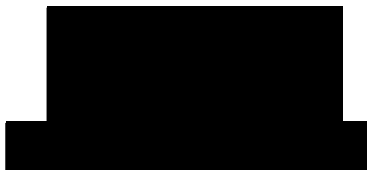
Move to approve the appointment of Angela Ostdiek as a Learning Bank instructor at Orchard Center High School for the 2015/16 school year effective September 8, 2015, and place on the appropriate salary level for this position, and upon completion of all pre-employment requirements.

**MOTION:** \_\_\_\_\_ **SUPPORT:** \_\_\_\_\_ **ACTION:** \_\_\_\_\_

	<u>Aye</u>	<u>Nay</u>	<u>Abstain</u>	<u>Absent</u>
Mr. Bunkelman	_____	_____	_____	_____
Dr. March	_____	_____	_____	_____
Mrs. Mentel	_____	_____	_____	_____
Mr. Philbeck	_____	_____	_____	_____
Mrs. Taylor	_____	_____	_____	_____
Mr. VanWasshenova	_____	_____	_____	_____
Mr. Yeo	_____	_____	_____	_____



# Angela Ostdiek



**Objective** To facilitate excellent early childhood learning opportunities. To excite children of all ages with a love for learning, reading, writing and the content areas. To provide a nurturing, loving atmosphere where children can belong and thrive.

**Education** **Eastern Michigan University**  
Ypsilanti, MI  
Masters in Reading - Reading Specialist test passed in January 09.

**Cornerstone University**  
Grand Rapids, MI  
Bachelor of Arts in Elementary Education  
English and Music Emphasis  
Early Childhood Endorsement

**Crafton Hills College**  
Yucaipa, CA  
Early Childhood Studies

**Azusa Pacific University**  
Azusa, CA  
Undergraduate Studies in Liberal Arts

**California State University**  
Art Courses

**Wayne County Community College**  
Art Courses

**Spring Arbor College**  
Associate of Arts

## **Certification**

**Elementary K-5 All Subjects (K-8 Self Contained Classroom)**  
**Early Childhood Education Pre-Kindergarten and Kindergarten**  
**English (BA) 6-8**  
**Reading Specialist (BR) K-12**

**RATIFICATION OF THE TEAMSTER MASTER AGREEMENT**

**BACKGROUND**

The Master Agreement for July 1, 2015, through June 30, 2016, between the Teamsters Local 214 Bus Drivers and the Monroe Board of Education is being submitted for approval and ratification by the Board.

**RECOMMENDATION:**

Move to ratify the Master Agreement for July 1, 2015, through June 30, 2016, between the Teamsters Local 214 Bus Drivers and the Monroe Board of Education effective August 12, 2015.

**MOTION:** \_\_\_\_\_ **SUPPORT:** \_\_\_\_\_ **ACTION:** \_\_\_\_\_

	<u>Aye</u>	<u>Nay</u>	<u>Abstain</u>	<u>Absent</u>
Mr. Bunkelman	_____	_____	_____	_____
Dr. March	_____	_____	_____	_____
Mrs. Mentel	_____	_____	_____	_____
Mr. Philbeck	_____	_____	_____	_____
Mrs. Taylor	_____	_____	_____	_____
Mr. VanWasshenova	_____	_____	_____	_____
Mr. Yeo	_____	_____	_____	_____

**DISCONTINUATION OF CONTRACT**

**BACKGROUND**

Monroe Public Schools has been informed that the grant funding from the Community Mental Health Partnership of Southeast Michigan will end on September 30, 2015. As a result of this loss in grant funding, the position of Substance Abuse Coordinator, currently held by Susan Sacks will be eliminated and the individual employment agreement with Ms. Sacks will need to be dissolved.

**RECOMMENDATION**

Move to approve the dissolution of the individual contract with Sue Sacks, as the Substance Abuse Coordinator, due to economic reasons and loss of funding, effective September 30, 2015; and to provide the appropriate notifications as required by her employment agreement with the district.

**MOTION:** \_\_\_\_\_ **SUPPORT:** \_\_\_\_\_ **ACTION:** \_\_\_\_\_

	<u>Aye</u>	<u>Nay</u>	<u>Abstain</u>	<u>Absent</u>
Mr. Bunkelman	_____	_____	_____	_____
Dr. March	_____	_____	_____	_____
Mrs. Mentel	_____	_____	_____	_____
Mr. Philbeck	_____	_____	_____	_____
Mrs. Taylor	_____	_____	_____	_____
Mr. VanWasshenova	_____	_____	_____	_____
Mr. Yeo	_____	_____	_____	_____

**MONROE HIGH SCHOOL  
CTE – PROJECT BASED INSTRUCTION MATERIALS**

**BACKGROUND**

Sandra Kreps and Bill Ferrara are requesting approval for the purchases of equipment and supplies for the newly formed Health Sciences pathway program. The supplies and equipment are for student and staff use in hands-on health science investigations.

This summer, members of the Health Science pathway team attended a curriculum integration workshop series hosted by Project Lead the Way (PLTW). The team found these resources to complement the plan and vision of the integrated curriculum experienced which was outlined and presented to the Board Curriculum Committee this spring. These resources are highly regarded as engaging to students and academically rigorous.

There are also additional opportunities for expansion with similar resources that will be explored through the Monroe High School, school improvement and curriculum development process. The Board Curriculum Committee will be updated throughout the year on this discussion.

**ENCLOSURE(S)**

The itemized list of equipment and supplies developed by PLTW. All items have been competitively bid by PLTW to ensure districts receive the lowest price.

**RECOMMENDATION**

Move to approve the equipment and supplies for the Health Sciences team. This purchase will not exceed \$26,345.51 and will be funded utilizing the Chrysler Corp. STEM Grant, CTE General Fund, Added Cost funds and general funds.

**MOTION:** \_\_\_\_\_ **SUPPORT:** \_\_\_\_\_ **ACTION:** \_\_\_\_\_

	<u>Aye</u>	<u>Nay</u>	<u>Abstain</u>	<u>Absent</u>
Mr. Bunkelman	_____	_____	_____	_____
Dr. March	_____	_____	_____	_____
Mrs. Mentel	_____	_____	_____	_____
Mr. Philbeck	_____	_____	_____	_____
Mrs. Taylor	_____	_____	_____	_____
Mr. VanWasshenova	_____	_____	_____	_____
Mr. Yeo	_____	_____	_____	_____



# MONROE HIGH SCHOOL CAREER & TECHNICAL EDUCATION

Bill Ferrara, Director

---

Marjorie Servis, Administrative Assistant 901 Herr Road Monroe, MI 48161 Ph. 734.265.3450 Fax 734.265.3451

CTE MEMO #008 15.16

TO: Julie Everly, Deputy Superintendent

FROM: Sandy Kreps, Principal  
Bill Ferrara, Director, CTE

DATE: September 4, 2015

RE: **Purchase Approval, Project Lead the Way Equipment and Supplies**

ENCL: Project Lead the Way (PLTW) Supply Requisition Spread Sheets (5)

Hi Julie,

We are requesting Board Of Education approval for the purchase of PLTW supplies and equipment in connection with the newly formed Health Sciences, Biomedical pathway classes. The supplies and equipment to be ordered at this time are needed for the project/inquiry based instruction. PLTW provides all participants with purchasing services. Purchasing agreements with all concerned vendors, with best prices and group discounts, have already been established, so all purchases are funneled through the PLTW offices. Funds to be used are coming from a variety of sources, including a Chrysler Corp. STEM Grant (\$2,000), CTE General Funds (\$4,000), and Added Cost (\$6,000), and MHS General Funds (\$14,345.51).

- a. The amount required for school start-up is **\$26,345.51**, items required are included in the attached spreadsheets, purchase price totals are noted in the "Total Cost" column.

Upon approval, the supplies and equipment will be and used by the five teachers running the program, and all students in the Health Sciences pathway at Monroe High School.

Total Requested: **\$26,345.51**

Sandy Kreps

cc  
Kathy Eighmey, Director Business and Finance  
Marjorie Servis, CTE Admin Asst.

Bill Ferrara

**NOTICE OF NONDISCRIMINATION:** It is the policy of Monroe Public Schools not to discriminate on the basis of race, color, national origin, gender, age, disability, religion, height, weight or marital status in its programs, services, employment, or any other activities. For information contact the office of the Superintendent of Schools, 1275 N. Macomb St., Monroe, MI 48162, 734-265-3010.

## Biomedical Science Core Class and Lab Inventory

Please review the Instructions worksheet! The required items on this worksheet must be purchased in addition to the required items for each course.

- For Biomedical Science courses, there are important facility and appliance requirements such as a microwave, refrigerator with freezer, sinks with hot and cold water, etc.

V	Spplr	Item Specification	Unit Cost	Unit	Fund Cat	Freq	Qty Recmnd CLASS of 20 Stds	Est Price Based on Class of 20 stds	Enter Qty to Order	Total Price	PB S	H B S	MI BI	Price Type
	****	Laptop Computer - Please carefully review the "Computer Specifications" document on the Equipment & Supplies webpage for additional information on specifications that support PLTW and a cost estimate.	**	**	**	**	**	**	**	**	X	X	X	N
	****	<b>Biomedical Science Participation Fee</b> Each school is required to pay an annual participation fee. All required software is now included in the participation fee and is no longer an added cost.	\$2,000.00	**	**	**	**	\$2,000.00	1	\$ 2,000.00	X	X	X	S
	PLTW	Required software **The Software License Information Page must be completed in order for software orders to be fulfilled**	Included	Unlimited	**	**	**	Included	**	**	X	X	X	
	Any Local Supplier	Laserjet Printer	**	**	H	1x	**	**	0	**	X	X	X	
	Any Local Supplier	Digital Projector	**	**	H	1x	**	**	0	**	X	X	X	
26	PLTW	LabQuest Mini **This is required for use with Logger Pro software	\$151.00	Each	E	1x	10	\$1,510.00	0	\$ -	X	X	X	N
	PLTW	Sonotrax A Pocket Fetal Doppler with 8MHz probe (water proof). Does not include Ultrasound Gel. **Price includes shipping & processing**	\$165.00	Each	E	1x	3	\$495.00	0	\$ -	X	X	X	N
	PLTW	PBS Vernier Bundle Please see the "Vernier Details" tab for details on contents. **Price includes shipping & processing**	\$769.00	Each	E	1x	5	\$3,845.00	10	\$ 7,690.00	X	X	X	S
	PLTW	HBS Vernier Bundle Please see the "Vernier Details" tab for details on contents. **Price includes shipping & processing**	\$691.00	Each	E	1x	5	\$3,455.00	0	\$ -	X	X	X	S
	PLTW	MI Vernier Bundle Please see the "Vernier Details" tab for details on contents. **Price includes shipping & processing**	\$403.00	Each	E	1x	5	\$515.00	0	\$ -	X	X	X	S
	PLTW	Molecular Puzzles **Price includes shipping & processing**	\$380.00	Kit	E	1x	1	\$380.00	2	\$ 760.00	X	X	X	N
	PLTW	BlueView Transilluminator. Can accommodate gels of up to 15 cm x 12.6 cm, with an illuminated viewing region of 11 cm x 11 cm. Used to view gels stained with SYBR Safe stain. **Price includes shipping & processing**	\$421.00	Each	E	1x	1	\$421.00	0	\$ -	X	X	X	N
	See Supplier Option(s)	Simulated Agarose Gel for Micropipette Practice. Allows students to practice loading gels with dyes before using actual DNA. The kit contains two gels, four dyes and an instruction guide. **Price includes shipping & processing**	\$23.75	Each	E	1x	5	\$118.75	4	\$ 95.00	X	X	X	N
	See Supplier Option(s)	Edvocycler - Classroom Thermal Cycler - holds 25 0.2mL PCR tubes, contains pre-programmed PCR protocols; Temperature Range: 4°C - 99°C; 7-line LCD display; can hold samples at 4°C at the end of a run Catalog #541	\$1,427.12	Each	E	1x	1	\$1,427.12	0	\$ -	X	X	X	N

V	Splr	Item Specification	Unit Cost	Unit	Fund Cat	Freq	Qty Recmnd CLASS of 20 Stds	Est Price Based on Class of 20 stds	Enter Qty to Order	Total Price	PB \$	H B MI BI \$	Price Type
	See Supplier Option(s)	Stoddard clamp test tube holder. For tubes up to a 25mm in diameter.	\$0.62	Each	E	1x	10	\$6.20	20	\$ 12.40	X	X X	N
	See Supplier Option(s)	Magnetic Stir Bar: 1 inch	\$1.15	Each	E	1x	2	\$2.30	4	\$ 4.60	X	X X	N
	See Supplier Option(s)	Test Tube Rack. 12 positions to hold tubes of 20 mm diameter	\$3.52	Each	E	1x	10	\$35.20	10	\$ 35.20	X	X X	N
	See Supplier Option(s)	Support Rod, Steel 1/4 inch diameter, 18 inches long.	\$2.38	Each	E	1x	5	\$11.90	0	\$ -	X	X X	N
	See Supplier Option(s)	Rectangular Base, 4 x 6 inches (used with item 10236)	\$7.42	Each	E	1x	5	\$37.10	0	\$ -	X	X X	N
	See Supplier Option(s)	BASIX Buret Clamp, plastic coated jaws, adjustable.	\$2.31	Each	E	1x	5	\$11.55	0	\$ -	X	X X	N
	See Supplier Option(s)	Clear Glass Dropping Bottles, 15ml, Pkg. of 12	\$12.95	Pkg/12	E	1x	5	\$64.75	10	\$ 129.50	X	X X	N
27	See Supplier Option(s)	Hotplate, Stir Plate - Isotemp; Ceramic top; 7 x 7 in. heating surface; Temperature control to 540 degC; Stirring range 60-1200rpm; 120V 60Hz	\$246.95	Each	E	1x	5	\$1,234.75	2	\$ 493.90	X	X X	N
	See Supplier Option(s)	Waterbath, analog, maintains temperatures from 5°C to 100°C, comes with lid. <b>NOTE: If you are completing advanced work in Medical Interventions or optional Problem 6 in BI, consider purchasing the shaking waterbath listed in the Optional section INSTEAD of this item. The shaking water bath is suggested for optimal completion of the protein purification laboratory in MI and of the molecular biology projects in BI.</b>	\$357.93	Each	E	1x	1	\$357.93	2	\$ 715.86	X	X X	N
	See Supplier Option(s)	Microscope - Binocular head; 4X, 10X, 40XR and 100 XR; Oil immersion objective; Mechanical stage.	\$295.00	Each	E	1x	10	\$2,950.00	4	\$ 1,180.00	X	X X	N
	See Supplier Option(s)	Incubator - compact unit for cultures, test kits & biologicals. At least a 40L capacity; maintains temperatures up to 65°C.	\$317.68	Each	E	1x	1	\$317.68	2	\$ 635.36	X	X X	N
	See Supplier Option(s)	Power Supply - runs 4 electrophoresis tanks simultaneously; fully programmable; adjustable voltage (10-300V); LED display	\$272.50	Each	E	1x	3	\$817.50	6	\$ 1,635.00	X	X X	N
	See Supplier Option(s)	Microcentrifuge; Fixed Angle (6x0.5/1.5/2.0mL tubes) and Strip (16x0.2mL) Rotors, 115V/60Hz, 6400 rpm, Lid activated on/off.	\$157.00	Each	E	1x	1	\$157.00	2	\$ 314.00	X	X X	N
	See Supplier Option(s)	M12 Dual Electrophoresis Apparatus; contains two removable 7x7 UV transparent trays, both 6 and 8/10 well combs, rubber end caps, insulated electrical leads, and adjustable leveling feet. Can run up to two groups of student samples (two separate gels) at one time.	\$160.55	Each	E	1x	5	\$802.75	10	\$ 1,605.50	X	X X	N

V	Splr	Item Specification	Unit Cost	Unit	Fund Cat	Freq	Qty Recmnd CLASS of 20 Stds	Est Price Based on Class of 20 stds	Enter Qty to Order	Total Price	PB \$	H B \$	M \$	I \$	BI \$	Price Type
	See Supplier Option(s)	Classroom Micropipetter - 0.5 - 10µl	\$85.00	Each	E	1x	5	\$425.00	0	\$ -		X	X	X		N
	See Supplier Option(s)	Classroom micropipet 20-200 ul	\$85.00	Each	E	1x	5	\$425.00	16	\$ 1,360.00	X	X	X	X		N
	See Supplier Option(s)	Individual Student Dry Erase Whiteboards	\$39.94	Pack/30	E	1x	1	\$39.94	2	\$ 79.88		X	X			SG
	See Supplier Option(s)	White Light Box - used to view electrophoresis gels	\$53.35	Each	E	1x	2	\$106.70	2	\$ 106.70	X	X	X	X		N
	See Supplier Option(s)	Laboratory Apron, black rubberized, Large	\$4.74	Each	E	1x	20	\$94.80	60	\$ 284.40	X	X	X	X		N
	See Supplier Option(s)	Rubber pipette bulb, latex rubber, 1mL	\$15.23	Pkg/72	E	1x	1	\$15.23	2	\$ 30.46	X	X	X	X		N
	See Supplier Option(s)	Microcentrifuge tube rack. Holds twenty-four 1.5 mL microcentrifuge tubes.	\$3.03	Each	E	1x	5	\$15.15	16	\$ 48.48	X	X	X	X		N
28	See Supplier Option(s)	Floating Microtube Rack Polypropylene rack - holds 1.5-mL microcentrifuge tubes for incubation in water or ice baths. Rack will float with a full load of filled tubes.	\$5.95	Each	E	1x	3	\$17.85	0	\$ -		X	X	X		N
	See Supplier Option(s)	Student Dissecting Kit - includes Scissors, Student Grade 4 1/2", Forceps, Dissecting 4 1/2", Disposable Scalpel, 2 Teasing Needles, Straight, Mall Probe & Seeker, 6 Dissecting T Pins, Transparent Ruler, Dropping Pipette.	\$8.12	Each	E	1x	10	\$81.20	0	\$ -	X	X	X	X		N
	See Supplier Option(s)	Human Blood Film Smear Slides, Wright's Stain.	\$2.70	Each	E	1x	10	\$27.00	16	\$ 43.20	X	X				N
	See Supplier Option(s)	Microscope immersion oil. Type B, PCB free. 1 oz. Bottle	\$5.69	Each	E	1x	10	\$56.90	16	\$ 91.04	X	X	X	X		N
	See Supplier Option(s)	Artery, Vein, and Capillary (cs) slide - H&E stain	\$4.60	Each	E	1x	10	\$46.00	16	\$ 73.60	X	X				N
	See Supplier Option(s)	4/16" latex tubing - used for pump construction	\$3.90	12 feet	E	1x	1	\$3.90	0	\$ -			X			N
	See Supplier Option(s)	Latex Tubing, 3/16" x 1/16" - used for pump construction	\$9.15	10 feet	E	1x	1	\$9.15	0	\$ -			X			N
	See Supplier Option(s)	Aluminum Dissecting Pan - wax lined	\$11.68	Each	E	1x	10	\$116.80	0	\$ -	X	X	X	X		N
	See Supplier Option(s)	Alcohol Burner - includes 1 wick.	\$1.90	Each	E	1x	10	\$19.00	20	\$ 38.00	X	X	X	X		N



V	Splr	Item Specification	Unit Cost	Unit	Fund Cat	Freq	Qty Recmnd CLASS of 20 Stds	Est Price Based on Class of 20 stds	Enter Qty to Order	Total Price	PB S	H B S	M I B I	Price Type
	See Supplier Option(s)	Pipette Filler. Fits pipettes to 50mL. Precise to 0.01 mL. Chemical resistant.	\$3.60	Each	E	1x	10	\$36.00	20	\$ 72.00	X	X	X	N
	See Supplier Option(s)	Blunt forceps. Nickel plated steel with serrated tips.	\$1.48	Each	E	1x	10	\$14.80	20	\$ 29.60	X	X	X	N
	See Supplier Option(s)	Pinchcock clamp - 2-5/8 in. one piece, nickel plated brass. For flow regulation in flexible tubing up to 10mm diameter.	\$0.94	Each	E	1x	20	\$18.80	0	\$ -	X	X	X	N
	See Supplier Option(s)	Forceps -Nickel-plated steel	\$0.87	Each	E	1x	10	\$8.70	20	\$ 17.40	X	X	X	N
	See Supplier Option(s)	Electronic Balance: Variable weighing modes (including g, oz, lb) Capacity : 500g;Readability:0.1g	\$90.00	Each	E	1x	5	\$450.00	0	\$ -	X	X	X	N
	See Supplier Option(s)	1000mL Beaker. Corning 1000 Manufactured with spout & uniform wall thickness for maximum durability.	\$22.10	Pkg/6	E	1x	1	\$22.10	0	\$ -	X	X	X	N
	See Supplier Option(s)	50mL Erlenmeyer Flask, graduation range 20-50mL, 5 mL intervals, rubber stopper #1.	\$16.37	Pkg/12	E	1x	1	\$16.37	2	\$ 32.74	X	X	X	N
	See Supplier Option(s)	Test Tubes Pyrex Borosilicate 20mm x 150mm, Pack of 72 general-purpose test tubes; Capacity: 32mL, stopper size 1	\$21.02	Pkg/72	E	1x	2	\$42.04	4	\$ 84.08	X	X	X	N
	See Supplier Option(s)	1 Liter Erlenmeyer Flask, graduation range 250-1,000 ml, 50ml intervals, rubber stopper #9.	\$12.24	Pkg/6	E	1x	1	\$12.24	2	\$ 24.48	X	X	X	N
	See Supplier Option(s)	100mL Beaker. Corning 1000 Manufactured with spout & uniform wall thickness for maximum durability.	\$13.30	Pkg/12	E	1x	2	\$26.60	4	\$ 53.20	X	X	X	N
	See Supplier Option(s)	250 mL Beaker. Corning 1000 Manufactured with spout & uniform wall thickness for maximum durability.	\$16.87	Pkg/12	E	1x	2	\$33.74	4	\$ 67.48	X	X	X	N
	See Supplier Option(s)	50mL Beaker. Corning 1000 Manufactured with spout & uniform wall thickness for maximum durability.	\$12.27	Pkg/12	E	1x	2	\$24.54	4	\$ 49.08	X	X	X	N
	See Supplier Option(s)	250 mL Erlenmeyer Flask, graduation range 50-225ml, 25ml intervals rubber stopper #6	\$20.19	Pkg/12	E	1x	1	\$20.19	2	\$ 40.38	X	X	X	N
	See Supplier Option(s)	500mL Erlenmeyer Flask	\$12.93	Pkg/6	E	1x	2	\$25.86	4	\$ 51.72	X	X	X	N
	See Supplier Option(s)	Graduated Cylinder, 1 liter Clear, shatterproof polymethpentene polymer.	\$6.32	Each	E	1x	1	\$6.32	2	\$ 12.64	X	X	X	N
	See Supplier Option(s)	Test tube brush - fits standard test tubes	\$3.99	Pkg/12	E	1x	1	\$3.99	2	\$ 7.98	X	X	X	N

V	Splir	Item Specification	Unit Cost	Unit	Fund Cat	Freq	Qty Recmnd CLASS of 20 Stds	Est Price Based on Class of 20 stds	Enter Qty to Order	Total Price	PB \$	H B \$	M I \$	B I \$	Price Type
	See Supplier Option(s)	Graduated Cylinder, 250mL Clear, Shatterproof polymethpentene polymer, Withstand autoclaving temperatures of up to 175 <sup>o</sup> C.	\$4.09	Each	E	1x	1	\$4.09	2	\$ 8.18	X	X	X	X	N
	See Supplier Option(s)	Glass stirring rods	\$3.08	Pkg/12	E	1x	2	\$6.16		\$ 3.08	X	X	X	X	N
	See Supplier Option(s)	50mL Polypropylene graduated cylinder.	\$11.04	Pkg/12	E	1x	1	\$11.04	2	\$ 22.08	X	X	X	X	N
	See Supplier Option(s)	Safety Red Spirit Thermometer. Total immersion, -20 to +150 deg.	\$2.02	Each	E	1x	10	\$20.20	20	\$ 40.40	X	X	X	X	N
	See Supplier Option(s)	10mL Polypropylene graduated cylinder	\$0.60	Each	E	1x	10	\$6.00	20	\$ 12.00	X	X	X	X	N
	See Supplier Option(s)	Safety spectacles: Continuous Polycarbonate Lenses. Fits over prescription glasses. One size fits all. Meets ANSI Z87.1-1989 Standard.	\$0.71	Each	E	1x	20	\$14.20	27	\$ 19.17	X	X	X	X	N
	See Supplier Option(s)	Safety Glass Cabinet, Capacity 25 Glasses & 10 Goggles, with Sterilization Light & Timer	\$421.30	Each	E	1x	1	\$421.30	1	\$ 421.30	X	X	X	X	N
30	See Supplier Option(s)	12", 360° Goniometer One arm has a linear scale in both inches and centimeters to allow accurate measurement of the joint's axis and range of motion.	\$6.15	Each	E	1x	7	\$43.05	0	\$ -		X		X	SG
	See Supplier Option(s)	Long Wave UV lamp - handheld UV lamp runs on AA batteries	\$22.00	Each	E	1x	7	\$154.00	0	\$ -			X	X	N
	See Supplier Option(s)	Student Aneroid Blood Pressure Set Velcro® cuff and artery position mark assures easy, precise application. Bulb has standard thumbscrew valve. Lightweight stethoscope included.	\$14.50	Each	E	1x	5	\$72.50	0	\$ -	X	X		X	N
	See Supplier Option(s)	Percussion (Reflex) Hammer	\$1.28	Each	E	1x	10	\$12.80	0	\$ -		X		X	N
	See Supplier Option(s)	Spray Mist Dispenser Bottle	\$1.67	Each	E	1x	5	\$8.35	10	\$ 16.70	X	X	X	X	N
	Any Local Supplier	Plastic Clear Rulers 12"/ metric/ Eng.	\$0.00	Pkg/12	E	1x	2	\$0.00	4	\$ -	X	X	X	X	SG
	Any Local Supplier	Meter Stick	\$0.00	Each	E	1x	5	\$0.00	10	\$ -	X	X	X	X	SG
	Any Local Supplier	See-thru Plastic Ruler, 6" Flexible plastic rulers accurately scaled in sixteenths on one side & millimeters on the other.	\$0.00	Pkg/12	E	1x	1	\$0.00	2	\$ -	X	X	X	X	SG
	Any Local Supplier	Scientific Calculator	\$0.00	Each	E	1x	20	\$0.00	20	\$ -	X	X	X	X	SG

v	Splr	Item Specification	Unit Cost	Unit	Fund Cat	Freq	Qty Recmnd CLASS of 20 Stds	Est Price Based on Class of 20 stds	Enter Qty to Order	Total Price	PB S	H B S	MI	BI	Price Type
	Any Local Supplier	Flashlight (Don't forget batteries)	\$0.00	Each	E	1x	5	\$0.00		\$ -		X	X		SG
	Any Local Supplier	Pair of Oven Mitts	\$0.00	Pkg/2	E	1x	2	\$0.00	4	\$ -	X	X	X	X	SG
	Any Local Supplier	Rectangular food storage containers (plastic, sandwich size)	\$0.00	Each	E	1x	8	\$0.00	0	\$ -	X	X	X	X	SG
	Any Local Supplier	Scissors	\$0.00	Each	E	1x	20	\$0.00	0	\$ -	X	X	X	X	SG
	See Supplier Option(s)	Disposable Inoculation Loop for sterile bacteria work; Volume: 10/1 ul; Color: natural; sterile; individual wrap.	\$29.42	Pkg/250	C	3-5y	1	\$29.42	0	\$ -				X	N
	See Supplier Option(s)	Disposable serological pipette, polystyrene, 10ml capacity.	\$25.71	Case/200	C	3-5y	1	\$25.71	0	\$ -	X	X	X	X	N
	See Supplier Option(s)	Corning Universal Fit Pipette Tips. For use with most 1-200uL single & multichannel pipettors. Yellow color. Sterile	\$29.80	Case/960	C	3-5y	1	\$29.80	2	\$ 59.60	X	X	X	X	N
31	See Supplier Option(s)	Denatured Alcohol; 1 Liter; Use with alcohol lamps.	\$4.99	Each	E	3-5y	2	\$9.98	4	\$ 19.96	X			X	N
	See Supplier Option(s)	Microtest Tubes 1.5ml	\$12.95	Pkg/500	C	3-5y	1	\$12.95	2	\$ 25.90	X	X	X	X	N
	See Supplier Option(s)	Ethyl Alcohol 500mL 95% denatured	\$5.36	Each	C	3-5y	2	\$10.72	8	\$ 42.88	X	X		X	N
	See Supplier Option(s)	Benedict Solution 500mL	\$3.93	Each	E	3-5y	1	\$3.93	4	\$ 15.72	X	X			N
	See Supplier Option(s)	Disposable transfer pipette. 5.0cm x 1.2mm. 1.3ml capacity.	\$11.00	Pkg/500	C	3-5y	1	\$11.00	4	\$ 44.00	X	X	X	X	N
	See Supplier Option(s)	Sodium Hydroxide, 0.2N solution, 500mL	\$4.62	Each	C	3-5y	1	\$4.62	4	\$ 18.48	X	X		X	N
	See Supplier Option(s)	Weighing Dishes/Boats	\$12.91	Pkg/500	E	3-5y	1	\$12.91	4	\$ 51.64	X	X	X	X	N
	See Supplier Option(s)	Hydrochloric Acid (HCl) 0.1M Lab Grade 500 mL	\$4.53	Each	C	3-5y	1	\$4.53	4	\$ 18.12	X	X		X	N
	See Supplier Option(s)	pH paper, 7/32" x 15'. Includes color chart.	\$5.63	Roll	C	3-5y	2	\$11.26	4	\$ 22.52	X	X		X	N

V	Splr	Item Specification	Unit Cost	Unit	Fund Cat	Freq	Qty Recmnd CLASS of 20 Stds	Est Price Based on Class of 20 stds	Enter Qty to Order	Total Price	PB \$	H B \$	Mi \$	Bi \$	Price Type
	See Supplier Option(s)	Standard Microscope Slides. 25mm x 75mm	\$3.85	Pkg/144	C	2-3y	1	\$3.85	4	\$ 15.40	X	X	X	X	N
	See Supplier Option(s)	Sodium Chloride 500g	\$3.24	Each	C	3-5y	1	\$3.24	4	\$ 12.96	X		X	X	N
	See Supplier Option(s)	Cover Slips 18 x18 mm - Ideal for wet mounts.	\$1.17	Box/100	C	2-3y	3	\$3.51	4	\$ 4.68	X	X	X	X	N
	See Supplier Option(s)	Aquasonic Ultrasound Gel 0.25 Liter Bottle. (Required for Pocket Fetal Doppler)	\$5.98	Each	C	2-3y	2	\$11.96	0	\$ -		X		X	N
	Any Local Supplier	Stopwatch Hand held. 10hr timing. 0.01 second resolution Battery included.	\$0.00	Each	E	1x	10	\$0.00	0	\$ -	X				
	Any Local Supplier	Wooden dowel rods, 12 inches long	\$0.00	Pkg/12	E	2-3y	1	\$0.00	0	\$ -		X	X	X	SG
	Any Local Supplier	Wooden square dowels, 12 inches long	\$0.00	Pkg/12	E	2-3y	1	\$0.00	0	\$ -		X	X	X	SG
32	Any Local Supplier	Clorox Bleach, 1 Gallon, Original Style	\$0.00	Each	E	2-3y	1	\$0.00	0	\$ -	X	X	X	X	SG
	Any Local Supplier	Long wooden kitchen matches	\$0.00	Box	E	3-5y	3	\$0.00	0	\$ -	X			X	SG
	Any Local Supplier	Sharpie fine point permanent markers, Black	\$0.00	Pkg/12	E	3-5y	1	\$0.00	2	\$ -	X	X	X	X	SG
	Any Local Supplier	Washable glue sticks	\$0.00	Pkg/18	E	3-5y	1	\$0.00	0	\$ -	X	X	X	X	SG
	See Supplier Option(s)	Diposable Soda-Lime Glass Pasteur Pipette, 9 inch	\$7.28	Pkg/250	E	3-5y	1	\$7.28	2	\$ 14.56	X	X	X	X	N
	Any Local Supplier	12 inch Pipe Cleaners, assorted colors	\$0.00	Pkg/50	E	3-5y	5	\$0.00	10	\$ -	X	X	X	X	SG
	Any Local Supplier	Elmer's Glue (or equivalent), 4 oz. bottle	\$1.68	Each	E	2-3y	10	\$16.80	0	\$ -	X	X	X	X	N
	Any Local Supplier	Fine Tip Dry-Erase Markers, assorted colors	\$0.00	Pkg/4	E	3-5y	10	\$0.00	0	\$ -	X	X	X	X	SG
	Any Local Supplier	Florist wire 22 ga (or equivalent bendable thin wire for models), paddle roll	\$0.00	Each	E	3-5y	3	\$0.00	0	\$ -	X	X	X	X	SG

v	Splr	Item Specification	Unit Cost	Unit	Fund Cat	Freq	Qty Recmnd CLASS of 20 Stds	Est Price Based on Class of 20 stds	Enter Qty to Order	Total Price	PB S	H B S	M I B I	Price Type
	Any Local Supplier	1lb package Modeling clay, (includes 5 assorted colors)	\$0.00	Pkg/5	E	3-5y	5	\$0.00	10	\$ -	X	X	X	SG
	Any Local Supplier	Plastic Wrap (50 ft)	\$0.00	Box	E	3-5y	5	\$0.00	5	\$ -	X	X	X	SG
	Any Local Supplier	Pony Beads (Assorted colors)	\$0.00	Pkg/1000	E	3-5y	2	\$0.00	2	\$ -	X	X	X	SG
	Any Local Supplier	Poster Board White 1lb 22" x 28"	\$0.00	Pkg/10	E	2-3y	5	\$0.00	10	\$ -	X	X	X	SG
	Any Local Supplier	Post-it® 20"x30" Easel Pad	\$0.00	Pkg/2	E	2-3y	2	\$0.00	4	\$ -	X	X	X	SG
	Any Local Supplier	Post-it® 1-1/2" x 2" Notes	\$0.00	Pkg/24	E	2-3y	1	\$0.00	0	\$ -	X	X	X	SG
	Any Local Supplier	Rivo colored 12" x 18" construction paper	\$0.00	Pkg/50	E	2-3y	2	\$0.00	0	\$ -	X	X	X	SG
33	Any Local Supplier	Styrofoam ball, 1 inch	\$0.00	Each	E	2-3y	30	\$0.00	60	\$ -	X	X	X	SG
	Any Local Supplier	Styrofoam ball, 2 inch	\$0.00	Each	E	2-3y	30	\$0.00	60	\$ -	X	X	X	SG
	Any Local Supplier	Styrofoam ball, 3 inch	\$0.00	Each	E	2-3y	15	\$0.00	30	\$ -	X	X	X	SG
	Any Local Supplier	Toothpicks, round	\$0.00	Box	E	2-3y	10	\$0.00	20	\$ -	X	X	X	SG
	Any Local Supplier	Masking tape, 1" wide	\$0.00	Each	E	2-3y	5	\$0.00	10	\$ -	X	X	X	SG
	Any Local Supplier	Transparent tape rolls	\$0.00	Each	E	2-3y	10	\$0.00	20	\$ -	X	X	X	SG
	Any Local Supplier	Rubber Bands, Assorted sizes	\$0.00	Bag	E	3-5y	1	\$0.00	0	\$ -	X	X	X	SG
	Any Local Supplier	Highlighter (yellow)	\$0.00	Each	E	2-3y	20	\$0.00	0	\$ -	X	X	X	SG
	Any Local Supplier	Highlighter (pink)	\$0.00	Each	E	2-3y	20	\$0.00	0	\$ -	X	X	X	SG
	Any Local Supplier	Crayola colored markers - 8 colors	\$0.00	Pkg/8	E	3-5y	2	\$0.00	0	\$ -	X	X	X	SG

The items listed below are consumed throughout each course on a yearly basis.

V	Splr	Item Specification	Unit Cost	Unit	Fund Cat	Freq	Qty Recmnd CLASS of 20 Stds	Est Price Based on Class of 20 stds	Enter Qty to Order	Total Price	PB S	H B S	MI	BI	Price Type
	See Supplier Option(s)	Custom PLTW Scientific Laboratory Notebook: Carbonless copies allowing students to turn in write-ups and maintain full copies in the notebook. 50 sequentially numbered page sets. Back cover folds over to prevent bleed through between sets. Cover design includes periodic table, quick reference material related to all sciences, laboratory safety information, and "How to Keep a Laboratory Notebook" guidelines from Dartmouth University. Includes table of contents section and signature blocks on each page. Dimensions: 8.5 x 11. inches. <b>Note: Must specify that school is part of the PLTW network in order to get listed discount pricing and free shipping.</b>	\$8.95	Each	C	CS	20	\$179.00	0	\$ -	X	X	X	X	N
	See Supplier Option(s)	DNA Electrophoresis Refill Melt & cast 0.8% agarose in TBE to make gels.	\$11.26	Each	C	CS	1	\$11.26	6	\$ 67.56	X	X	X	X	N
	See Supplier Option(s)	SYBR® Safe DNA gel stain 10,000X concentrate in DMSO. 400 µL.	\$33.50	Each	C	CS	1	\$33.50	4	\$ 134.00				X	N
	Any Local Supplier	Nitrile Exam Gloves, Large Textured fingertips for dry & wet working conditions. Made of 100% nitrile. Blue, Powder-free ambidextrous.	\$7.75	Box/100	C	CS	1	\$7.75	0	\$ -	X	X	X	X	SG
	Any Local Supplier	3 inch block of styrofoam - approximately 2 inches thick	\$0.60	Each	C	CS	25	\$15.00	0	\$ -	X	X	X	X	SG
34	Any Local Supplier	Alcohol Swabs or Pads	\$3.69	Box	C	CS	1	\$3.69	0	\$ -	X	X	X	X	SG
	Any Local Supplier	Aluminum foil, 66-2/3 yds x 12in., 200 sq. feet.	\$7.98	Each	C	CS	1	\$7.98	0	\$ -	X	X	X	X	SG
	Any Local Supplier	White adhesive labels	\$9.99	Pkg/60	C	CS	1	\$9.99	0	\$ -	X	X	X	X	SG
	Any Local Supplier	Balloons, Assorted Sizes	\$3.00	Pkg/50	C	CS	2	\$6.00	0	\$ -	X	X	X	X	SG
	Any Local Supplier	Colored pencils - package of 12	\$3.50	Pkg/12	C	CS	10	\$35.00	0	\$ -	X	X	X	X	SG
	Any Local Supplier	Cotton string-400 ft	\$4.79	Ball	C	CS	1	\$4.79	0	\$ -	X	X	X	X	SG
	Any Local Supplier	Craft Pom-Poms, assorted colors	\$5.00	Pkg/300	C	CS	3	\$15.00	0	\$ -	X	X	X	X	SG
	Any Local Supplier	Craft sticks (popsicle sticks)	\$3.29	Pkg/100	C	CS	2	\$6.58	0	\$ -	X	X	X	X	SG
	Any Local Supplier	Food Coloring, Assorted Colors (Red, Yellow, Blue, and Green)	\$4.99	Box	C	3-5y	1	\$4.99	0	\$ -	X	X	X	X	SG

✓	Splr	Item Specification	Unit Cost	Unit	Fund Cat	Freq	Qty Recmnd CLASS of 20 Stds	Est Price Based on Class of 20 stds	Enter Qty to Order	Total Price	PB S	H B S	M B S	BI	Price Type
	Any Local Supplier	Distilled Water, gallon bottle (if not available in classroom)	\$1.99	Each	C	CS	6	\$11.94	0	\$ -	X	X	X	X	SG
										<u>\$21,115.75</u>					
										<u>\$24,575.02</u>					
										<b>CCLI Estimate for Class of 20 students</b>					

### PBS Required Items

Please review the instructions worksheet! The required items on this worksheet must be purchased in addition to the required items on the Core Class and Lab Inventory worksheet.

√	Splr	Item Specification	Unit Cost	Unit	Fund Cat	Freq	Qty Recmnd CLASS of 20 Stds	Est Price Based on Class of 20 stds	Enter Qty to Order	Total Price	Price Type	Unit / Timing
	PLTW	DNA Discovery Kit - 12 Base Pairs <b>*Price includes shipping &amp; processing*</b>	\$215.00	Each	E	1x	7	\$1,505.00	16	\$ 3,440.00	S	1
	See Supplier Option(s)	Human Sickle Cell Anemia Prepared Slide	\$7.02	Each	E	1x	10	\$70.20	10	\$ 70.20	N	3
	See Supplier Option(s)	Agar Powder 500g	\$41.95	Each	E	1x	1	\$41.95	0	\$ -	N	5
	See Supplier Option(s)	Quality Corks, Size 24	\$22.20	Pkg/10	E	1x	1	\$22.20	0	\$ -	N	2
	See Supplier Option(s)	Tripod Beaker Stand for Laboratory Micro Burner	\$7.69	Each	E	1x	5	\$38.45	0	\$ -	N	2
	See Supplier Option(s)	Accessory Set for Tripod Beaker Stand for Micro Burner.	\$10.20	Each	E	1x	5	\$51.00	0	\$ -	N	2
	See Supplier Option(s)	Escherichia coli (non-pathogenic) Gram Stain. Prepared Slides.	\$3.72	Each	E	1x	2	\$7.44	0	\$ -	N	5
	See Supplier Option(s)	Bacteria Gram positive demonstration. Prepared Slides.	\$3.00	Each	E	1x	2	\$6.00	0	\$ -	N	5
	See Supplier Option(s)	Cocci, Streptococci Gram+ stain. Prepared Slides.	\$3.09	Each	E	1x	2	\$6.18	0	\$ -	N	5
	See Supplier Option(s)	Illustrated heart dissection guide	\$5.67	Each	E	1x	10	\$56.70	0	\$ -	N	4
	See Supplier Option(s)	Spirillum (sm) g (-). Prepared Slides.	\$4.87	EACH	E	1X	10	\$48.70	0	\$ -	N	5
	See Supplier Option(s)	Bacteria Gram negative demonstration. Prepared Slides.	\$3.00	Each	E	1x	2	\$6.00	0	\$ -	N	5
	See Supplier Option(s)	Two holed stoppers; 1-lb packages. Size 6.	\$3.81	Pkg/1lb	E	1x	1	\$3.81	0	\$ -	N	4



V	Spnr	Item Specification	Unit Cost	Unit	Fund Cat	Freq	Qty Recmnd CLASS of 20 Stds	Est Price Based on Class of 20 stds	Enter Qty to Order	Total Price	Price Type	Unit / Timing
	See Supplier Option(s)	File - for cutting & scoring glass tubing & rods before breaking.	\$2.90	Each	E	1x	1	\$2.90	0	\$ -	N	4
	See Supplier Option(s)	Screw-Compression Pinchcock 1/2 x 3/4"	\$1.40	Each	E	1x	10	\$14.00	0	\$ -	N	4
	Any Local Supplier	Paring knives	\$0.00	Each	E	1x	6	\$0.00	0	\$ -	SG	1
	See Supplier Option(s)	Pyrex Hard Glass Tubing, 5mm - used for pump experiment	\$15.12	Pkg/20	E	1x	1	\$15.12	0	\$ -	N	4
	See Supplier Option(s)	Plastic Magnifier	\$0.85	Each	E	1X	5	\$4.25	20	\$ 17.00	N	1
	See Supplier Option(s)	File - for cutting & scoring glass tubing & rods before breaking.	\$2.90	Each	E	1X	1	\$2.90	0	\$ -	N	1
	See Supplier Option(s)	Numbered Marker Tents <b>NOTE: Item only required if setting up crime scene</b>	\$22.66	Set/15	E	1X	1	\$22.66	1	\$ 22.66	N	1
	See Supplier Option(s)	5-Foot Fabric Measuring Tape <b>NOTE: Item only required if setting up crime scene</b>	\$3.75	Each	E	1X	10	\$37.50	20	\$ 75.00	N	1
	Any Local Supplier	Red Beans, Dry 16 oz.	\$1.00	Each	E	1X	1	\$1.00	0	\$ -	SG	2
	Any Local Supplier	White Beans, Dry 16 oz.	\$1.00	Each	E	1X	1	\$1.00	0	\$ -	SG	2
	Any Local Supplier	Atherosclerosis (sect) h & e	\$5.31	Each	E	1X	10	\$53.10	0	\$ -	N	4
<b>The items listed below are consumed throughout this course on a yearly basis.</b>												
	See Supplier Option(s)	Albumin egg 25g (just egg whites)	\$4.52	Each	C	3-5y	1	\$4.52	0	\$ -	N	2
	Any Local Supplier	Hearty Oatmeal <b>NOTE: Item only required if setting up crime scene</b>	\$2.59	Pkg	C	3-5y	1	\$2.59	0	\$ -	SG	1
	Any Local Supplier	Baking Powder, 10 oz	\$2.39	Box	C	3-5y	1	\$2.39	0	\$ -	SG	1

v	Spir	Item Specification	Unit Cost	Unit	Fund Cat	Freq	Qty Recmnd CLASS of 20 Stds	Est Price Based on Class of 20 stds	Enter Qty to Order	Total Price	Price Type	Unit / Timing
	Any Local Supplier	Baking Soda, 16 oz	\$0.89	Box	C	3-5Y	1	\$0.89	0	\$ -	SG	1
	Any Local Supplier	Corn Oil, 20 oz bottle	\$2.39	Each	C	3-5Y	1	\$2.39	0	\$ -	SG	2
	See Supplier Option(s)	Crime Scene Barrier Tape, 3"W x 1,000'L. <b>NOTE: Item only required if setting up crime scene</b>	\$20.31	Each	C	3-5Y	1	\$20.31	0	\$ -	N	1
	See Supplier Option(s)	15mL Centrifuge tubes: Sterile Polypropylene tubes. Withstand RFCs up to 6000xG.	\$8.70	Pkg/50	C	CS	3	\$26.10	8	\$ 69.60	N	1
	See Supplier Option(s)	Phenolphthalein, Indicator Powder 100g	\$8.08	Each	C	3-5Y	1	\$8.08	0	\$ -	N	2
	See Supplier Option(s)	Biuret solution	\$5.44	500mL	C	3-5Y	1	\$5.44	2	\$ 10.88	N	2
	See Supplier Option(s)	Dextrose, 500g Anhydrous granular, Reagent Grade	\$6.00	Each	C	3-5Y	1	\$6.00	8	\$ 48.00	N	2
	See Supplier Option(s)	Glycerin 500 mL	\$7.20	Each	C	1x	1	\$7.20	8	\$ 57.60	N	4
	Any Local Supplier	Soluble Corn Starch 100g	\$0.00	Each	C	3-5Y	1	\$0.00	4	\$ -	SG	1
	See Supplier Option(s)	Potassium Iodide-Iodine Reagent (Lugol's Solution)	\$8.46	1 liter	C	3-5Y	1	\$8.46	4	\$ 33.84	N	2
	Any Local Supplier	Sugar Pure Cane, Granulated	\$1.99	Pkg	C	3-5Y	1	\$1.99	4	\$ 7.96	SG	1
	See Supplier Option(s)	Bacteria Culture Kit	\$23.18	Kit	C	CS	1	\$23.18	0	\$ -	N	5
	See Supplier Option(s)	Pigmented Bacteria Set, Tube Culture	\$41.49	Kit	C	CS	1	\$41.49	0	\$ -	N	5

√	Splr	Item Specification	Unit Cost	Unit	Fund Cat	Freq	Qty Recmnd CLASS of 20 Stds	Est Price Based on Class of 20 stds	Enter Qty to Order	Total Price	Price Type	Unit / Timing
	See Supplier Option(s)	Diagnosing Diabetes Customized PLTW Kit Pack with Samples for 3 Patients. Unassembled kit that contains all of the materials necessary for teachers to assemble 10 student kits, including all associated patient samples. All directions and materials are customized to follow the directions in the PBS 2.1.1 Activity. No additional equipment or supplies are required. <b>Recommend 1 unassembled kit pack for every 20 students.</b> <b>Shipping: add \$8 per kit</b>	\$203.00	Kit	C	CS	1	\$203.00	2	\$ 406.00	N	2
	See Supplier Option(s)	Diagnosing Diabetes Customized PLTW Refill Pack. <b>Each refill pack will refill 10 customized PLTW kits.</b>	\$55.00	Kit	C	CS	1	\$55.00	1	\$ 55.00	N	2
	See Supplier Option(s)	Gram Stain & Bacterial Morphology Kit. For class of 30. Tube cultures of: Bacillus megaterium, Escherichia coli, Micrococcus luteus, and Rhodospirillum rubrum. 30 Disposable Inoculating Loops, 95% Ethanol, Gram Iodine, Safranin, and Crystal Violet. <b>NOTE: Perishable</b>	\$65.66	Kit	C	CS	1	\$65.66	0	\$ -	N	5
	See Supplier Option(s)	PLTW Hypercholesterolemia Kit by Edvotek <b>NOTE: Perishable; viable up to 9 months</b> <b>*Price includes shipping &amp; processing*</b>	\$130.00	Kit	C	CS	1	\$130.00	0	\$ -	N	4
	See Supplier Option(s)	Sheep Heart without pericardium with aorta attached at base	\$21.93	Pkg/10	C	CS	2	\$43.86	0	\$ -	N	4
	See Supplier Option(s)	Dialysis Tubing 1 5/16" x 10 feet; cellulose with a typical molecular weight cutoff of 12,000 to 41,000 MW.	\$4.81	Each	C	2-3y	5	\$24.05	13	\$ 62.53	N	2
	Any Local Supplier	1 Liter white vinegar	\$2.99	Each	C	2-3y	1	\$2.99	2	\$ 5.98	SG	1
	Any Local Supplier	Cheesecloth. Package of 5 sq yd.	\$1.50	Each	C	CS	1	\$1.50	4	\$ 6.00	SG	1
	Any Local Supplier	12 oz Breakfast Cereal (Cheerios) (not sugar coated)	\$4.29	Box	C	CS	1	\$4.29	0	\$ -	SG	2
	Any Local Supplier	Whole Milk, cow's milk, half gallon <b>NOTE: This item is used as one of the three food items necessary to complete food testing. You only need to purchase 3 of the specified foods for testing.</b>	\$1.99	Each	C	CS	1	\$1.99	0	\$ -	SG	2

√	Splr	Item Specification	Unit Cost	Unit	Fund Cat	Freq	Qty Recmnd CLASS of 20 Stds	Est Price Based on Class of 20 stds	Enter Qty to Order	Total Price	Price Type	Unit/ Timing
	Any Local Supplier	Skim Milk, cow's milk, half gallon. NOTE: This item is used as one of the three food items necessary to complete food testing. You only need to purchase 3 of the specified foods for testing.	\$1.99	Each	C	CS	1	\$1.99	0	\$ -	SG	2
	Any Local Supplier	Egg Whites, 1 dozen NOTE: This item is used as one of the three food items necessary to complete food testing. You only need to purchase 3 of the specified foods for testing.	\$2.39	Pkg/12	C	CS	1	\$2.39	0	\$ -	SG	2
	Any Local Supplier	Tofu NOTE: This item is used as one of the three food items necessary to complete food testing. You only need to purchase 3 of the specified foods for testing.	\$2.49	Pkg	C	CS	1	\$2.49	0	\$ -	SG	2
	Any Local Supplier	Diet Soda, clear, 2 Liter bottle. NOTE: This item is used as one of the three food items necessary to complete food testing. You only need to purchase 3 of the specified foods for testing.	\$0.89	Bottle	C	CS	1	\$0.89	0	\$ -	SG	2
	Any Local Supplier	Apple Juice, 64 oz bottle. NOTE: This item is used as one of the three food items necessary to complete food testing. You only need to purchase 3 of the specified foods for testing.	\$2.39	Bottle	C	CS	1	\$2.39	0	\$ -	SG	2
	Any Local Supplier	Gelatin. NOTE: This item is used as one of the three food items necessary to complete food testing. You only need to purchase 3 of the specified foods for testing.	\$1.00	Bottle	C	CS	1	\$1.00	0	\$ -	SG	2
	Any Local Supplier	12oz. box Ritz crackers. NOTE: This item is used as one of the three food items necessary to complete food testing. You only need to purchase 3 of the specified foods for testing.	\$3.29	Box	C	CS	1	\$3.29	0	\$ -	SG	2
	Any Local Supplier	Peanuts	\$4.15	Pkg	C	CS	1	\$4.15	0	\$ -	SG	2
	Any Local Supplier	Marshmallows, 10 oz bag.	\$1.00	Pkg	C	CS	1	\$1.00	0	\$ -	SG	2
	Any Local Supplier	16oz. bag Chips (not fat free)	\$2.99	Each	C	CS	1	\$2.99	0	\$ -	SG	2
	Any Local Supplier	Paper cups, 5 oz.	\$2.84	Pkg/100	C	CS	1	\$2.84	0	\$ -	SG	1
	See Supplier Option(s)	Sodium Polyacrylate (500g)	\$24.17	Each	C	3-5y	1	\$24.17	3	\$ 72.51	N	1

PBS Estimate for Class of 20

**\$2,761.02**

**\$ 4,460.76**

students  
5 of 5

### Vernier Bundles

SEE THE TABLE BELOW FOR CONTENTS OF THE VERNIER BUNDLES  
SEE THE BIOMEDICAL SCIENCE SUPPLIER WORKBOOK FOR ORDERING INFORMATION

Vernier Bundles	Qty Recmnd 20 Stds	Bundle Unit Price
PBS Bundle (contents listed below) *Price includes shipping & processing*	10	\$ 769.00
HBS Bundle (contents listed below) *Price includes shipping & processing*	0	\$ 691.00
HBS Consumable Bundle (contents listed below) *Price includes shipping & processing*	0	\$ 99.00
MI Bundle (contents listed below) *Price includes shipping & processing*	0	\$ 103.00



**Bundle contents:**

Individually Sold Sensors:	Qty per Bundle	Rcmd Qty per 20 students	Individual Unit Price	Total Price
<b>THE ITEMS BELOW ARE IN THE PBS BUNDLE</b>				
EKG Sensors (EKG-BTA)	2	10	\$ 148.00	\$ 296.00
Hand-Grip Heart Rate Monitor (HGH-BTA)	2	10	\$ 121.00	\$ 242.00
Blood Pressure Sensor (BPS-BTA)	2	10	\$ 106.00	\$ 212.00
Stainless Steel Temperature Probe (TMP-BTA)	1	5	\$ 31.00	\$ 31.00
<b>Total</b>				<b>\$ 781.00</b>
<b>THE ITEMS BELOW ARE IN THE HBS BUNDLE</b>				
25-g Accelerometer (ACC-BTA)	2	10	\$ 93.00	\$ 186.00
Hand Dynamometer (HD-BTA)	2	10	\$ 100.00	\$ 200.00
Spirometer (SPR-BTA)	1	5	\$ 201.00	\$ 201.00
Gas Pressure Sensor (GPS-BTA)	1	5	\$ 84.00	\$ 84.00
EKG Electrodes (ELEC)	1	5	\$ 15.00	\$ 15.00
<b>Total</b>				<b>\$ 686.00</b>
<b>THE ITEMS BELOW ARE IN THE HBS CONSUMABLE BUNDLE</b>				
Disposable Bacterial Filters (SPR-FIL)	2	2	\$ 32.00	\$ 64.00
Disposable Mouthpiece (SPR-MP)	1	1	\$ 13.00	\$ 13.00
Noseclips (SPR-NOSE)	2	2	\$ 13.00	\$ 26.00
<b>Total</b>				<b>\$ 103.00</b>
<b>THE ITEMS BELOW ARE IN THE MI BUNDLE</b>				
Respiration Monitor Belt (RMB)	1	5	\$ 65.00	\$ 65.00
Surface Temperature Sensor (STS-BTA)	1	5	\$ 26.00	\$ 26.00
EKG Electrodes (ELEC)	1	5	\$ 15.00	\$ 15.00
<b>Total</b>				<b>\$ 106.00</b>

5

**ADJOURNMENT**

**RECOMMENDATION**

Move to adjourn the September 8, 2015, Board Meeting #16.

**HAND VOTE**

MOTION: \_\_\_\_\_ SUPPORT: \_\_\_\_\_ ACTION: \_\_\_\_\_

TIME: \_\_\_\_\_